

## V8 (Janta Model) Submersible Pumpset



Teraflo brand makes highly efficient durable and best Quality V8 submersible pumpset with water filled submersible motors.

### SALIENT FEATURES

1. All pumps are provided with suction guide support.
2. All the rotating parts are balance in precision grade to reduce vibration & noise..
3. All Bearing sleeves are provided with hard chrome plating.
4. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation.
5. Motor design for wide voltage range.
6. All guide bushes are protected with sand guards.
7. Carbon V/S Stainless steel thrust bearing are provided to withstand high thrust load.
8. Pumps are Design for maximum water discharge.
9. Upper thrust provision provided in each model.
10. Rotor are painted with special epoxy paint for long life.

### APPLICATION

1. Commodity water supply.
2. Irrigation/Sprinkler
3. Industrial
4. High rise buildings

### MATERIAL OF CONSTRUCTION

#### MOTOR

Casting Part	: Cast Iron FG 200 grade.
Stamping	: Silicon steel.
Motor Shaft	: Fully Stainless steel AISI 410.
Thrust Bearing	: Carbon v/s Stainless Steel.
Copper	: EC grade min 99.90%.

#### PUMP

Impeller	: Stainless Steel AISI 410
Diffuser	: Cast Iron FG 200 grade.
Suction Housing	: Cast Iron FG 200 grade.
Pump Shaft	: Fully Stainless Steel AISI 410
Sleeve	: AISI 410 with hard chrome plating.

### TECHNICAL SPECIFICATION

Head Range	: 10 to 112 meters
Discharge Range	: 600 to 2200 LPM
Motor Rating	: 3.0 HP to 25 HP in three phase 380V / 415 V, 50Hz, AC Supply 3.0 HP to 5.0 HP in single phase 230V / 50Hz AC Supply
Voltage Range	: 160V to 250V (1 Phase) 200V to 440V (3 Phase)

## V8 (200MM) SUBMERSIBLE PUMPSETS

1100 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	36.0	48.0	54.0	66.0	78.0	84.0	96.0
				LPM	600	800	900	1100	1300	1400	1600
TFMC83/110/2	2	6.0	4.5	TOTAL HEAD IN METERS	28	25	24	20	16	14	10
TFMC83/110/3	3	10.0	7.5		42	38	36	30	24	21	15
TFMC83/110/4	4	12.5	9.3		56	51	48	40	32	28	20
TFMC83/110/5	5	15.0	11.0		70	64	60	51	41	36	25
TFMC83/110/6	6	20.0	15.0		84	76	71	61	49	43	29
TFMC83/110/7	7	25.0	18.5		98	89	83	71	57	50	34
TFMC83/110/8	8	25.0	18.5		112	102	95	81	65	57	39

1200 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	42.0	54.0	60.0	72.0	84.0	90.0	102.0
				LPM	700	900	1000	1200	1400	1500	1700
TFMC84/120/2	2	7.5	5.5	TOTAL HEAD IN METERS	32	30	29	25	21	19	14
TFMC84/120/3	3	12.5	9.3		48	45	43	38	31	28	21
TFMC84/120/4	4	15.0	11.0		64	60	57	50	42	37	28
TFMC84/120/5	5	20.0	15.0		80	75	72	63	52	47	36
TFMC84/120/6	6	25.0	18.5		96	90	86	75	62	56	43

1300 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	48.0	60.0	66.0	78.0	90.0	96.0	108.0
				LPM	800	1000	1100	1300	1500	1600	1800
TFMC85/130/2	2	10.0	7.5	TOTAL HEAD IN METERS	35	33	32	28	24	22	17
TFMC85/130/3	3	15.0	11.0		53	49	47	42	36	33	26
TFMC85/130/4	4	20.0	15.0		70	66	63	56	48	44	34
TFMC85/130/5	5	25.0	18.5		88	82	79	71	60	55	43

1400 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	54.0	66.0	72.0	84.0	96.0	102.0	114.0
				LPM	900	1100	1200	1400	1600	1700	1900
TFMC86/140/2	2	12.5	9.3	TOTAL HEAD IN METERS	37	35	34	31	27	24	19
TFMC86/140/3	3	17.5	13.0		55	52	50	46	40	37	29
TFMC86/140/4	4	25.0	18.5		74	70	67	62	54	49	38

1500 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	60.0	72.0	78.0	90.0	102.0	108.0	120.0
				LPM	1000	1200	1300	1500	1700	1800	2000
TFMC87/150/2	2	15.0	11.0	TOTAL HEAD IN METERS	40	38	36	33	28	26	20
TFMC87/150/3	3	20.0	15.0		59	57	55	49	42	39	31

1600 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	66.0	78.0	84.0	96.0	108.0	114.0	126.0
				LPM	1100	1300	1400	1600	1800	1900	2100
TFMC88/160/2	2	17.5	13.0	TOTAL HEAD IN METERS	41	39	38	35	31	29	23
TFMC88/160/3	3	25.0	18.5		61	59	57	52	46	43	35

1700 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	72.0	84.0	90.0	102.0	114.0	120.0	132.0
				LPM	1200	1400	1500	1700	1900	2000	2200
TFMC810/170/1	1	10.0	7.5	TOTAL HEAD IN METERS	23	22	21	19	17	16	13
TFMC810/170/2	2	20.0	15.0		43	44	42	39	35	32	27